ELEMENTIS

A global specialty chemicals company

Enhanced Performance Through Applied Innovation

FINNTALC M30

Functional Extender

GENERAL INFORMATION

FINNTALC M30 is a hydrated magnesium silicate with chemical formula of $Mg_3Si_4O_{10}(OH)_2$.

Finntalc grades are purified in a cascade of multiple flotation cells. This process results in a tight definition of the talc composition, making this natural product similar to a synthetic chemical. In combination with a precisely controlled particle size distribution, this ensures exact reproducibility in formulations.

APPLICATIONS

- Paints & Coatings: Matt architectural coatings with dark colours, general purpose industrial coatings with dry film thickness of 80 - 100 μm
- Adhesives
- Sealants
- Plastics: For automotive cabin and under the hood, appliances, pipes, powdering, profiles and furniture.
- Fertilizers

KEY PROPERTIES

- Pure, lamellar, coarse particle size talc, stable colour, very hydrophobic, inert and soft.

INCORPORATION

FINNTALC M30 can be used as a functional extender to achieve following results:

Paints & Coatings: Good barrier properties, good anti-corrosion properties, good reinforcement of paint film, good adhesion and sandability, matting of high PVC paint.

Plastics: Consistent colour, low abrasion and longer tool life.

LEVELS OF USE

Typical use levels for paints and coatings applications are 10 - 30 % depending upon the application and the desired properties.

Typical use levels for talc in plastics depending upon the application. Please contact your local sales representative for advice.

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Store dry.

SHELF LIFE

FINNTALC M30 has a shelf life of 5 (five) years from the date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 certificate, which guarantees that all operations are conducted according to the stipulated standards.

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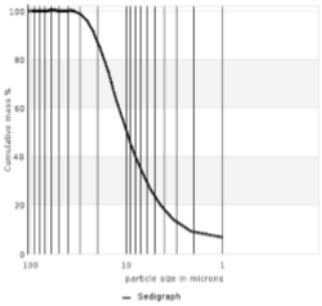
MINERALOGY	Talc (Mg-Silicate)		97	%
	Traces of magnesite, dolomite and chlorite			
	CAS-No. 14807-96-6	EINECS-No. 238-877-9		
CHEMICAL PROPERTIES	MgO	XRF	31	%
	SiO2	XRF	60	%
	Al2O3	XRF	0.5	%
	Fe2O3	XRF	2.2	%
	Fe acid soluble	1mol/L HCl, 100°C	0.2	%
	Loss on ignition	DIN 51081/1000°C	6	%
	pH value	ISO 787/9	9.1	
OPTICAL PROPERTIES	Whiteness Ry	DIN 53163	81	%
	ISO brightness R457	ISO 2470	80	%
	CIE L*, a*, b*	DIN 6174	92/-0.4/1.0	
	Yellowness index	DIN 6167	1.7	
PHYSICAL PROPERTIES	Top cut D98	Sedigraph, ISO 13317	35	µm
	Median particle size D50	Sedigraph, ISO 13317	10	µm
	Fineness of grind	ISO 1524	110	µm
	Specific surface area	BET , ISO 4652	3	m²/g
	Oil absorption	ISO 787/5	30	g/100g
	Abrasion	Einlehner AT 1000	5	mg
	Hardness	Mohs	1	
	Tapped density	ISO 787/11	0.7	g/cm³
	Bulk density	DIN 53468	0.5	g/cm³
	Moisture	ISO 787/2	0.05	%



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North America
Elementis
469 Old Trenton Road
East Windsor
NJ 08512, USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe
Elementis UK Ltd.
c/o Elementis GmbH
Stolberger Strasse 370
50933 Cologne, Germany
Tel.: +49 221 2923 2066
Fax: +49 221 2923 2011

Elementis Minerals B.V.
Kajuitweg 8
NL-1041 AR Amsterdam
The Netherlands
Tel.: +31 20 4487 448

Asia
Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563